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Indian Standard

CLASSIFICATION AND MATRIX FOR VARIOUS CATEGORIES OF HOSPITALS

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Indian Standard

CLASSIFICATION AND MATRIX FOR VARIOUS CATEGORIES OF HOSPITALS

0. FOREWORD

0.1 This Indian Standard was adopted by the Bureau of Indian Standards on 20 July 1988, after the draft finalized by the Hospital Planning Sectional Committee had been approved by the Consumer Products and Medical Instruments Division Council.

0.2 The functional programme is the basic need

for planning of any category of hospitals. The matrix which has been drawn in the standard forms the basis for starting the planning of hospitals according to the functions. Valuable guidance has been rendered in the preparation of this matrix by Dr A. K. Nagpal, Managing Partner of Hospital Designs and Systems, New Delhi.

1. SCOPE

1.1 This standard specifies classification and matrix for five categories of hospitals. It includes the classification according to the functions in alphabetical order with code number, matrix and organizational classification.

2. FUNCTIONAL CLASSIFICATION, CODE NUMBER AND MATRIX

2.1 The functional classification in alphabetical order along with code number and matrix is given

in Table 1. The first letter of the code number denotes the group of services, second and third denotes the discipline and fourth the sub-discipline. Matrix is given for 5 categories of hospitals, that is, for 30, 100, 250, 500 (teaching and non-teaching) and 750 (teaching and non-teaching) bedded hospitals. In case where 'X' is marked in the matrix, it means the requirement should exist and where 'O' is marked, means the requirement is optional.

**TABLE 1 CODE NUMBER, FUNCTIONAL CLASSIFICATION AND MATRIX IN
ALPHABETICAL ORDER**

CODE	CLASSIFICATION		CATEGORY						
			Bed Strength Up to						
	Nomenclature	Including	30	100	250	500		750	
T						NT	T	NT	
Group 1 : Medical and Allied Disciplines									
1 01	Anaesthesiology		X	X	X	X	X	X	X
1 02	Anatomy	Applied Anatomy	—	—	—	X	—	X	—
1 05	Biochemistry		—	—	X	X	X	X	X
1.05.1	Clinical Chemistry		—	—	X	X	X	X	X
1 07	Biophysics	Medical Physics	—	—	—	X	—	X	—
1 08	Blood Transfusion	Immunohaematology	—	X	X	X	X	X	X
1 08.1	Blood Bank		—	X	X	X	X	X	X
1 10	Cardiology		—	—	—	X	X	X	X
1 11	Cardio-vascular and Thoracic surgery		—	—	—	X	X	X	X
1 13	Community Medicine	Preventive and Social Medicine	X	X	X	X	X	X	X
1 14	Critical Care Medicine		—	O	X	X	X	X	X
1 14.1	Emergency Medicine		X	X	X	X	X	X	X
1 15	Dentistry		O	X	X	X	X	X	X
1 16	Dermatology and Venereology	Skin and VD	—	O	X	X	X	X	X
1 19	Endocrinology		—	—	—	X	O	X	O
1 24	Family Medicine		—	—	—	X	X	X	X
1 26	Forensic Medicine		—	—	—	X	O	X	O
1 28	Gastro-enterology		—	—	X	X	X	X	X
1 29	General Medicine	Internal Medicine	X	X	X	X	X	X	X
1 30	General Surgery		X	X	X	X	X	X	X
1 31	Geriatrics		—	—	O	X	O	X	O
1 33	Haematology		—	—	—	X	O	X	O
1 33.1	Clinical Haematology		—	—	X	X	X	X	X
1 37	Hospital Administration	Health Administration	—	X	X	X	X	X	X

(Continued)

TABLE 1 CODE NUMBER, FUNCTIONAL CLASSIFICATION AND MATRIX IN ALPHABETICAL ORDER—Contd

CODE	CLASSIFICATION		CATEGORY							
			Bed Strength Up to							
	Nomenclature	Including	30	100	250	500		750		
T						NT	T	NT		
1 41	Immunology		—	—	—	X	O	X	O	
1 41.1	Clinical Immunology		—	—	X	X	X	X	X	
1 49	Medical Oncology		—	—	—	X	O	X	O	
1 52	Microbiology	Medical Microbiology	—	—	X	X	X	X	X	
1 52.1	Bacteriology									
1 52.2	Mycology									
1 52.3	Parasitology									
1 52.4	Virology									
1 55	Neonatology		—	O	X	X	X	X	X	
1 56	Nephrology	Dialysis	—	—	—	X	X	X	X	
1 57	Neurology		—	—	—	X	X	X	X	
1 58	Neurosurgery		—	—	—	X	X	X	X	
1 60	Nuclear Medicine	Radiation Medicine	—	—	—	X	O	X	O	
1 64	Obstetrics and Gynaecology		X	X	X	X	X	X	X	
1 67	Ophthalmology	Eye	—	X	X	X	X	X	X	
1 68	Orthopaedics		—	O	X	X	X	X	X	
1 69	Oto-Rhino-Laryngology	ENT	—	O	X	X	X	X	X	
1 72	Paediatrics		X	X	X	X	X	X	X	
1 72.1	Paediatric Cardiology		—	—	O	X	X	X	X	
1 73	Paediatric Surgery		—	—	O	X	X	X	X	
1 74	Pathology		O	X	X	X	X	X	X	
1 74.1	Histopathology									
1 74.2	Cytology									
1 74.3	Immuno-Pathology		—	—	—	X	O	X	O	
1 76	Pharmacology		—	—	—	X	O	X	O	
1 76.1	Clinical Pharmacology		—	—	—	X	O	X	O	
1 77	Physical Medicine	Rehabilitation	—	O	X	X	X	X	X	
1 78	Physiology		—	—	—	X	—	X	—	
1 78.1	Clinical Physiology									
1 80	Plastic Surgery	Burns	—	—	O	X	X	X	X	
1 82	Psychiatry		—	O	X	X	X	X	X	
1 85	Pulmonary Medicine	Chest Disease/TB	—	O	X	X	X	X	X	
1 88	Radio Diagnosis	Radiology	X	X	X	X	X	X	X	
1 89	Radiation Oncology	Radio-Therapy	—	—	—	X	X	X	X	
1 91	Surgical Oncology		—	—	—	O	O	O	O	
1 93	Toxicology		—	—	—	X	O	X	O	
1 94	Transplant Surgery		—	—	—	O	O	O	O	
1 95	Traumatology		—	—	X	X	X	X	X	
1 97	Urology	Genito-Urinary Surgery	—	—	—	X	X	X	X	
Group 2 : Health and Allied Services										
2 05	Bio-Statistics		—	—	X	X	X	X	X	
2 10	Environmental Health		—	—	X	X	X	X	X	
2 15	Epidemiology	Clinical Epidemiology	—	—	X	X	X	X	X	
2 20	Family Welfare		X	X	X	X	X	X	X	
2 25	Health Education		X	X	X	X	X	X	X	
2 40	Maternal and Child Health		X	X	X	X	X	X	X	
2 50	Nutrition		X	X	X	X	X	X	X	
2 55	Occupational Health	Industrial Hygiene	—	—	O	X	X	X	X	
2 60	Population Science		—	—	—	X	O	X	O	
2 70	School Health		X	X	X	X	X	X	X	
Group 3 : Nursing, Paramedical, Technical and Allied Services										
3 01	Clinical Psychology		O	X	X	X	X	X	X	
3 05	Dental Technology	Dental Hygiene	O	X	X	X	X	X	X	
3 10	Dietetics and Therapeutics	Catering	O	X	X	X	X	X	X	
3 15	Drugs and Pharmacy		X	X	X	X	X	X	X	
3 20	E C G Technology		X	X	X	X	X	X	X	
3 25	E E G Technology		—	O	X	X	X	X	X	
3 30	Imaging Technology									
3 30.1	X-Ray Imaging		X	X	X	X	X	X	X	
3 30.2	Ultrasound Imaging		X	X	X	X	X	X	X	
3 30.3	C T Imaging		—	—	O	X	X	X	X	
3 30.4	M R Imaging		—	—	O	X	X	X	X	
3 35	Laboratory Technology		X	X	X	X	X	X	X	
3 40	Laundry Technology		O	X	X	X	X	X	X	

(Continued)

TABLE 1 CODE NUMBER, FUNCTIONAL CLASSIFICATION AND MATRIX IN ALPHABETICAL ORDER—Contd

CODE	CLASSIFICATION		CATEGORY							
			Bed Strength Up to							
	Nomenclature	Including	30	100	250	500		750		
T						NT	T	NT		
3 45	Medical Record Technology		X	X	X	X	X	X	X	
3 47	Medical Social Work		O	X	X	X	X	X	X	
3 48	Mental Health		—	—	X	X	X	X	X	
3 50	Nursing Services		X	X	X	X	X	X	X	
3 50.1	Intensive Care Nursing									
3 50.2	Maternity Nursing									
3 50.3	Medical and Surgical Nursing									
3 50.4	Nursing Administration									
3 50.5	Operating Theatre Nursing									
3 50.6	Paediatric Nursing									
3 50.7	Psychiatric Nursing									
3 50.8	Public Health Nursing									
3 55	Operating Theatre Technology	Anaesthesia Technology	O	X	X	X	X	X	X	
3 60	Ophthalmic Technology		X	X	X	X	X	X	X	
3 70	Physiotherapy		—	O	X	X	X	X	X	
3 80	Radio-Isotope Technology		—	—	—	X	O	X	O	
3 85	Radiotherapy Technology		—	—	O	X	X	X	X	
3 90	Sterilization and Disinfection Technology	C S S D Technology	X	X	X	X	X	X	X	
3 95	Speech and Hearing Technology		—	—	O	X	X	X	X	
Group 4 : Engineering and Allied Services										
4 01	Bio-medical Engineering	Clinical Engineering	—	—	—	X	X	X	X	
4 05	Building Maintenance		X	X	X	X	X	X	X	
4 10	Electric Supply	Power Generation and Stabilization	X	X	X	X	X	X	X	
4 15	Fire Protection	Alarm System	X	X	X	X	X	X	X	
4 20*	Heating, Ventilation and Airconditioning		—	O	O	O	O	O	O	
4 25	Horticulture	Landscaping	O	X	X	X	X	X	X	
4 30*	Hot Water and Steam Supply		—	O	O	O	O	O	O	
4 33	Lifts and Vertical Transport		—	X	X	X	X	X	X	
4 35	L P G Supply		O	X	X	X	X	X	X	
4 40	Mechanical Transport	Ambulance Service	X	X	X	X	X	X	X	
4 45	Medical Gases Supply and Vacuum	Gas Scavenging	X	X	X	X	X	X	X	
4 47	Refrigeration		X	X	X	X	X	X	X	
4 50	Sewage Treatment and Disposal	Sanitation and Drainage			Where required					
4 52	Solar Energy		O	O	O	O	O	O	O	
4 55	Solid Waste Disposal	Incineration	X	X	X	X	X	X	X	
4 60	Telephone and Communication		X	X	X	X	X	X	X	
4 65	Water Treatment and Supply	Plumbing			Where required					
4 70	Workshop		O	X	X	X	X	X	X	
4 70.1	Automobile Workshop									
4 70.2	Electrical Workshop									
4 70.3	Electronics Workshop									
4 70.4	Mechanical Workshop									
Group 5 : Administrative and Ancillary Services										
5 05	Audio-Visual Service	Field Publicity	X	X	X	X	X	X	X	
5 10	Clinical Photography	Illustration Service	—	—	—	X	O	X	O	
5 15	Documentation	Duplicating Service	—	—	X	X	X	X	X	
5 20	Education and Training	Continuing Education	—	O	X	X	X	X	X	
5 25	Estate Management		—	—	X	X	X	X	X	
5 30	Financial Management	Accounts	—	O	X	X	X	X	X	
5 35	General Administration		X	X	X	X	X	X	X	
5 40	House Keeping		X	X	X	X	X	X	X	
5 45	Library		X	X	X	X	X	X	X	
5 50	Management Information		—	O	X	X	X	X	X	
5 55	Materials Management	Inventory Control	X	X	X	X	X	X	X	
5 65	Personnel Management	Manpower Development	—	O	X	X	X	X	X	
5 70	Public Relations		—	O	X	X	X	X	X	
5 75	Security		X	X	X	X	X	X	X	

*This activity will depend on climatic conditions.

Notations : O = Optional, X = Required, T = Teaching hospitals, NT = Non-teaching hospitals.

2.1.1 Functional Organizational Classification disciplines along with code number and matrix is According to the Disciplines — The functional given in Table 2. organizational classification according to the

TABLE 2 FUNCTIONAL ORGANIZATIONAL CLASSIFICATION ACCORDING TO THE DISCIPLINES

CODE	CLASSIFICATION		CATEGORY					
	Nomenclature	Including	Bed Strength Up to					
			30	100	250	500		750
						T	NT	T NT
Group 1: Medical and Allied Disciplines								
MEDICAL DISCIPLINES								
1 10	Cardiology		—	—	—	X	X	X X
1 16	Dermatology and Venereology		—	O	X	X	X	X X
1 19	Endocrinology		—	—	—	X	O	X X
1 24	Family Medicine		—	—	—	X	X	X X
1 28	Gastro-enterology	Internal Medicine	—	—	—	X	O	X X
1 29	General Medicine		X	X	X	X	X	X X
1 31	Geriatrics		—	—	O	X	O	X X
1 33.1	Clinical Haematology		—	—	X	X	X	X X
1 41.1	Clinical Immunology		—	—	X	X	X	X X
1 49	Medical Oncology		—	—	—	X	O	X X
1 55	Neonatology		—	O	X	X	X	X X
1 56	Nephrology		—	—	—	X	X	X X
1 57	Neurology		—	—	—	X	X	X X
1 72	Paediatrics		X	X	X	X	X	X X
1 72.1	Paediatric Cardiology		—	—	O	X	X	X X
1 76.1	Clinical Pharmacology		—	—	—	X	O	X X
1 77	Physical Medicine	Rehabilitation	—	O	X	X	X	X X
1 82	Psychiatry		—	O	X	X	X	X X
1 85	Pulmonary Medicine	Chest Disease/TB	—	O	X	X	X	X X
SURGICAL DISCIPLINES								
1 11	Cardio-vascular and Thoracic surgery		—	—	—	X	X	X X
1 15	Dentistry		O	X	X	X	X	X X
1 30	General Surgery		X	X	X	X	X	X X
1 58	Neurosurgery		—	—	—	X	X	X X
1 64	Obstetrics and Gynaecology		X	X	X	X	X	X X
1 67	Ophthalmology	Eye	—	X	X	X	X	X X
1 68	Orthopaedics		—	O	X	X	X	X X
1 69	Oto-Rhino-Laryngology	ENT	—	O	X	X	X	X X
1 73	Paediatric Surgery		—	—	O	X	X	X X
1 80	Plastic Surgery	Burns	—	—	O	X	X	X X
1 91	Surgical Oncology		—	—	—	O	O	O O
1 94	Transplant Surgery		—	—	—	O	O	O O
1 95	Traumatology		—	—	X	X	X	X X
1 97	Urology	Genito-Urinary Surgery	—	—	—	X	X	X X
LABORATORY DISCIPLINES								
1 05	Biochemistry		—	—	X	X	X	X X
1 05.1	Clinical Chemistry		—	—	X	X	X	X X
1 07	Biophysics	Medical Physics	—	—	—	X	—	X X
1 08	Blood Transfusion	Immuno-Haematology	—	X	X	X	X	X X
1 08.1	Blood Bank		—	X	X	X	X	X X
1 33	Haematology		—	—	—	X	O	X X
1 41	Immunology		—	—	—	X	O	X X
1 52	Microbiology		—	—	X	X	X	X X
1 52.1	Bacteriology							
1 52.2	Mycology							
1 52.3	Parasitology							
1 52.4	Virology							
1 74	Pathology		O	X	X	X	X	X X
1 74.1	Histopathology							
1 74.2	Cytology							
1 74.3	Immuno-Pathology							
1 76	Pharmacology		—	—	—	X	O	X O
1 76.1	Clinical Pharmacology		—	—	—	X	O	X O

(Continued)

**TABLE 2 FUNCTIONAL ORGANIZATIONAL CLASSIFICATION ACCORDING
TO THE DISCIPLINES—Contd**

CODE	CLASSIFICATION		CATEGORY							
			Bed Strength Up to							
	Nomenclature	Including	30	100	250	500		750		
T						NT	T	NT		
RADIOLOGICAL DISCIPLINES										
1 60	Nuclear Medicine	Radiation Medicine	—	—	—	X	O	X	O	
1 88	Radio-Diagnosis	Radiology	X	X	X	X	X	X	X	
1 89	Radiation Oncology	Radiotherapy	—	—	—	X	X	X	X	
ANAESTHESIA AND RESUSCITATION										
1 01	Anaesthesiology		X	X	X	X	X	X	X	
1 14	Critical Care Medicine		—	O	X	X	X	X	X	
1 14.1	Emergency Medicine		X	X	X	X	X	X	X	
OTHER DISCIPLINES										
1 13	Community Medicine	Social and Preventive Medicine	X	X	X	X	X	X	X	
1 26	Forensic Medicine		—	—	—	X	O	X	O	
1 93	Toxicology		—	—	—	X	O	X	O	
ADMINISTRATIVE DISCIPLINES										
1 37	Hospital Administration	Health Administration	X	O	X	X	X	X	X	
Notations :										
O=Optional										
T=Teaching hospitals										
X=Required										
NT=Non-teaching hospitals										

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